

Sub B1
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(c) a memory coupled to said transponder, said memory having the data stored therein uniquely associated with the consumable, whereby the second electromagnetic field carries the data stored in said memory while the second electromagnetic field is generated, the second electromagnetic field being characteristic of the data stored in said memory.

A2 Sub B3

8. (Amended) A printer of the type which selectively deposits a color marking material onto a receiver to form an image on the receiver, the printer being adapted to sense data uniquely associated with a printer consumable to be loaded into the printer, comprising:

- (a) a transceiver for transmitting a first electromagnetic field and for sensing a second electromagnetic field;
- (b) a first transponder including a first memory coupled to a first consumable used by the printer; and
- (c) a second transponder including a second memory coupled to a second consumable used by the printer, each of said first and second memories having data stored therein indicative of type of consumable, so that a selected one of either of said transponders is capable of receiving the first electromagnetic field and generating a second electromagnetic field in response to the first electromagnetic field received thereby, the second electromagnetic field being sensed by said transceiver and characteristic of the data stored in said memory, the data being associated with said selected transponder generating the second electromagnetic field.

A3 Sub B5

19. (Amended) In a printer which operates to selectively deposit a color marking material onto a receiver to form an image on the receiver, a method for sensing data uniquely associated with a consumable loaded into the printer, the method comprising the steps of:

- (a) operating a transceiver to transmit a first electromagnetic field;
- (b) providing a transponder associated with the consumable, the transponder receiving the first electromagnetic field and generating a second electromagnetic field in response to the first electromagnetic field, the second electromagnetic field carrying information relative to data stored in a memory,

Sub B5
the memory being coupled to the transponder and having the data stored therein and uniquely associated with the consumable.

A3
20. (Amended) The method of claim 19, wherein the step of providing a transceiver comprises the step of providing a transceiver that transmits the first electromagnetic field at a predetermined first radio frequency.

A4 Sub B6
26. (Amended) In a printer which operates to selectively deposit a color marking material onto a receiver to form an image on the receiver, a method of sensing data uniquely associated with a printer consumable loaded into the printer, the method comprising the steps of:

(a) providing a transceiver for transmitting a first electromagnetic field and for sensing a second electromagnetic field;

(b) providing a first transponder including a first memory coupled to a first consumable; and

(c) providing a second transponder including a second memory coupled to a second consumable, each of the first and second memories having data stored therein indicative of type of consumable, so that a selected one of either of the transponders is capable of receiving the first electromagnetic field and generating a second electromagnetic field in response to the first electromagnetic field received thereby, the second electromagnetic field being sensed by the transceiver and characteristic of the data stored in the memory, the data being associated with the selected transponder generating the second electromagnetic field.

A5
36. (Amended) The method of claim 35, wherein the step of providing a first transponder comprises the step of providing a first transponder including a first memory coupled to a first consumable that is a printhead consumable, wherein the step of providing a second transponder comprises the step of providing a second transponder including a second memory coupled to a second consumable that is an ink consumable, wherein the step of providing a third transponder comprises the step of providing a third transponder including a third memory coupled to a third consumable that is a receiver media consumable and wherein the step of providing a fourth transponder comprises the step of

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providing a fourth transponder including a fourth memory coupled to a fourth consumable that is a cleaning fluid consumable.

Add the following new claims:

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37. The method of claim 19 and wherein the transponder receives energy from the first electromagnetic field as the only energy for powering the transponder.

38. The method of claim 37 wherein a device associated with the consumable has a sensing mechanism, and the sensing mechanism accurately indicates the amount of consumable used or remaining and this amount is stored in the memory.

39. The method of claim 37 and wherein the transceiver communicates with the transponder without making touching contact with the transponder.

40. The method of claim 37 and wherein the memory is a non-volatile semiconductor memory that is integrally contained in the transponder.

41. The method of claim 37 and wherein the transceiver senses the second electromagnetic field and extracts the data content for subsequent processing in operating the printer.

42. The method of claim 37 and wherein the transceiver addresses the transponder to write data to the memory associated with the consumable and wherein the data is indicative of usage of the consumable.

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~~43. A transponder and memory specially adapted for use in the method of claim 37 and wherein the memory is coupled to the transponder and has data stored therein and uniquely associated with a consumable used in the printer, the transponder being adapted to receive energy from the first electromagnetic field that is generated by the transceiver and the energy comprising the only energy for powering the transponder, the energy being usable to generate a signal~~

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representing data stored in the memory about the consumable for sensing by the transceiver.

44. The method of claim 37 and wherein in response to the information carried by the second electromagnetic field a control logic in the printer determines the type of consumable that is loaded in the printer.

45. The method of claim 44 and wherein the control logic determines manufacturing date and batch number from the information carried by the second electromagnetic field.

46. The method of claim 37 and wherein the memory stores calibration data relative to the consumable.

47. The method of claim 37 and wherein the memory stores sensitometric data relative to the consumable.

48. The method of claim 37 and wherein a determination is made as to whether or not a print job is compatible with the consumable, and if the print job is not compatible with the consumable, the print operation is disabled.

49. The method of claim 37 and wherein the consumable is a container for storing a waste material and the memory provides information relative to identification of the material as an aid to environmentally acceptable disposal of the waste material.

REMARKS

By this preliminary amendment, original Claims 1-36 remain in the application in amended form and new Claims 37-49 are added as dependent claims. Various ones of the original claims were objected to on various formal matters and have been modified in accordance with the Examiner's request. The various independent claims have been amended to distinguish them from the type of printer and method of printing disclosed in Spurr et al. Additionally, Claim 8 has been amended to identify that the consumables are used by the printer to